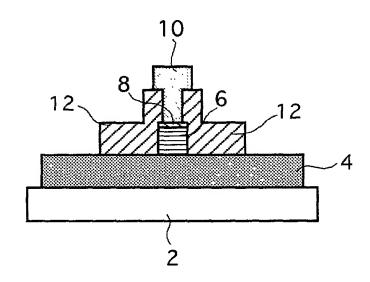
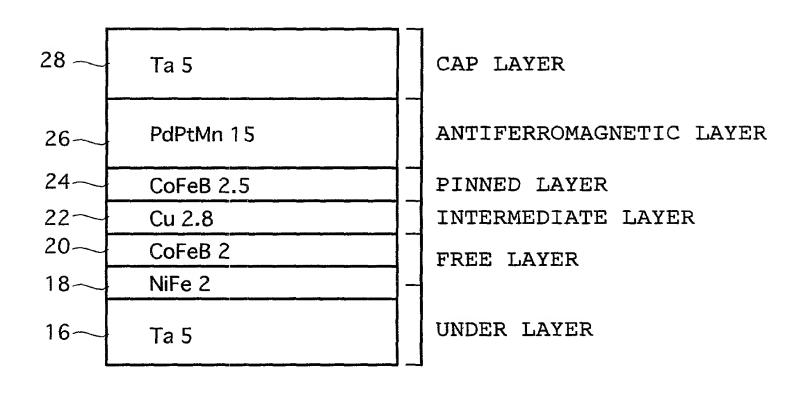
Greer, Burns & Crain, Ltd. Ref. No.3531.65364 Sheet 1 of 35

(312) 360 0080

FIG. 1



## F I G. 2



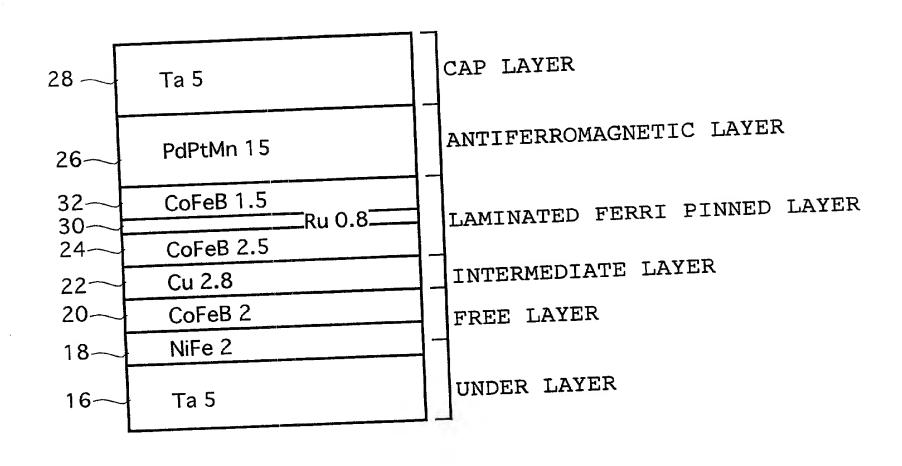
2 2

Ref. No.3531.65364

Sheet 2 of 35

(312) 360 0080

# F I G. 3



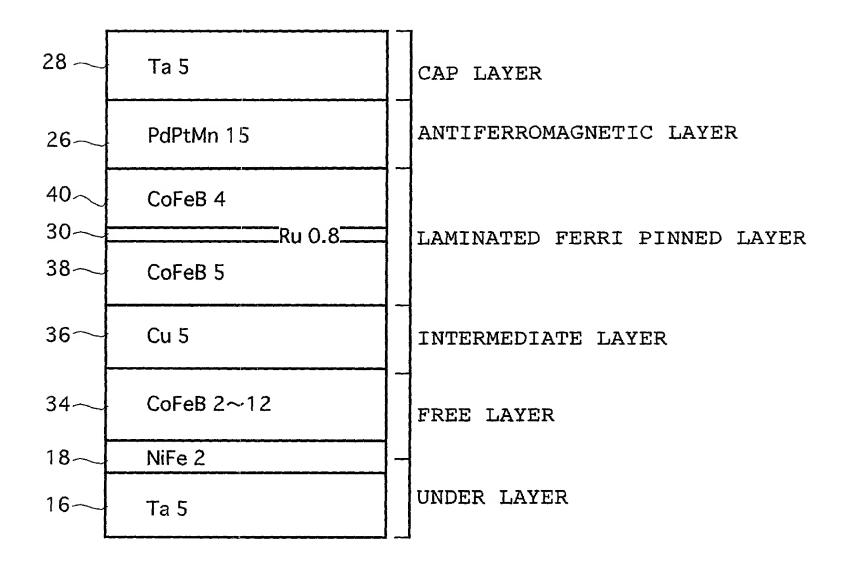
IGABOOKY OBLECT

(1 )

Ref. No.3531.65364 Sheet 3 of 35

(312) 360 0080

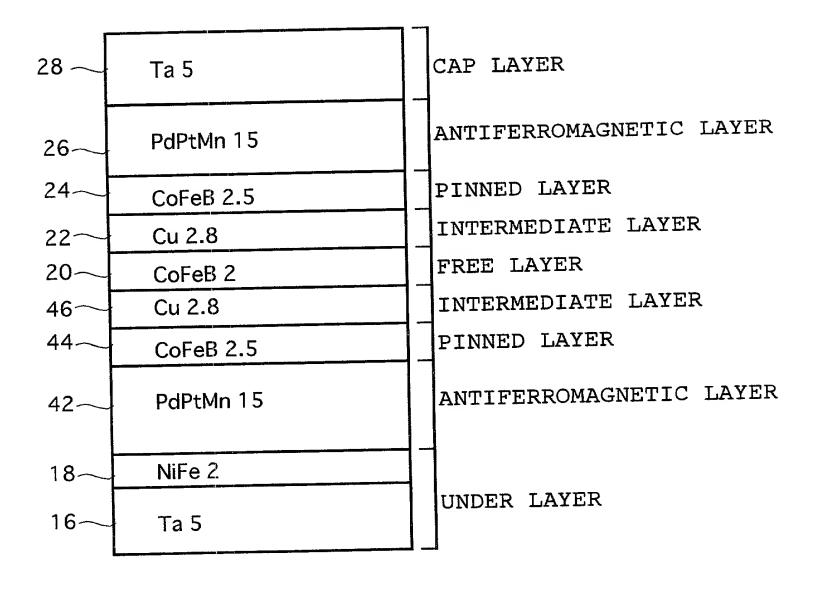




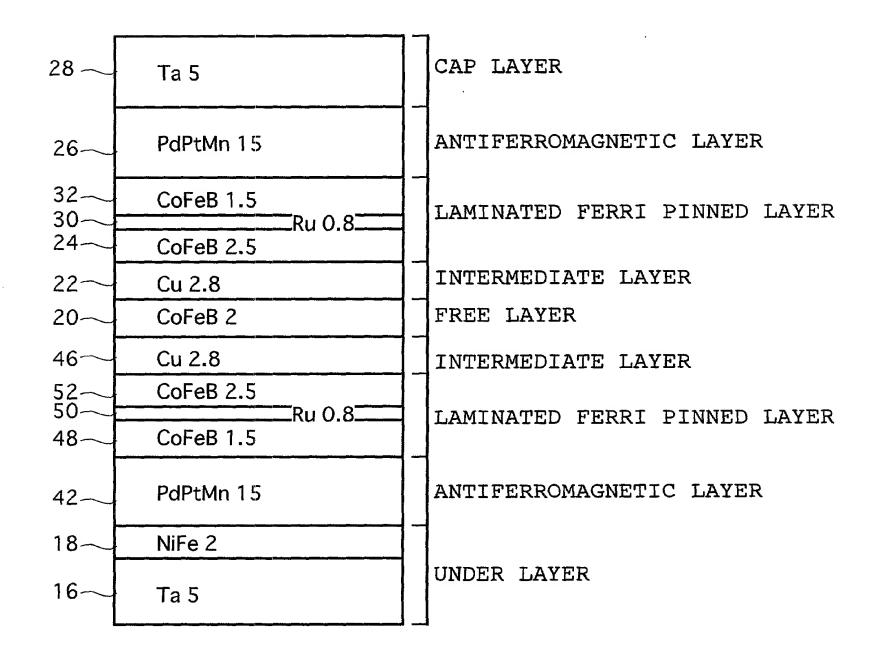
1 3

Sheet 4 of 35

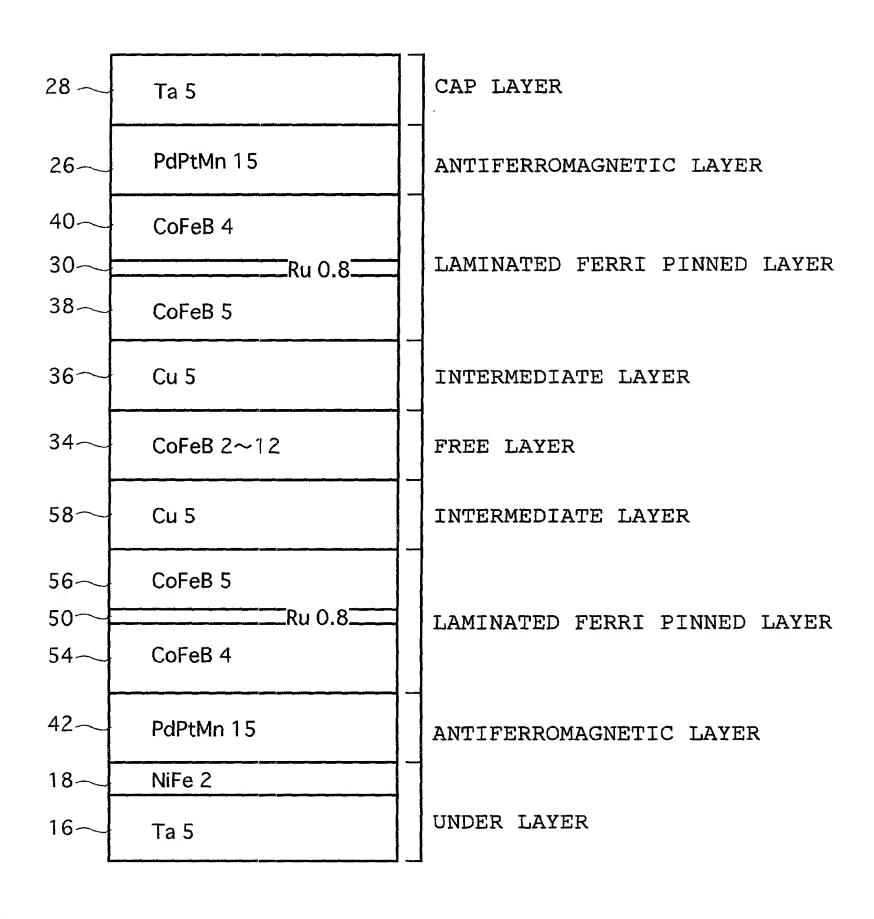
( ) F )



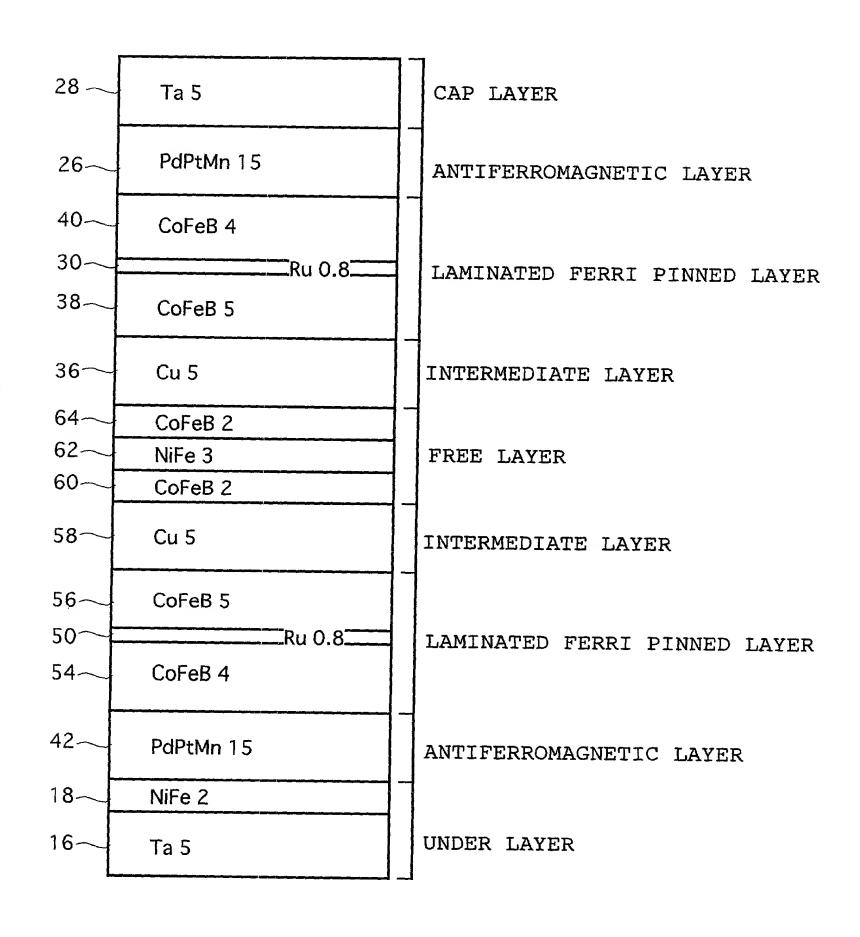
· 1

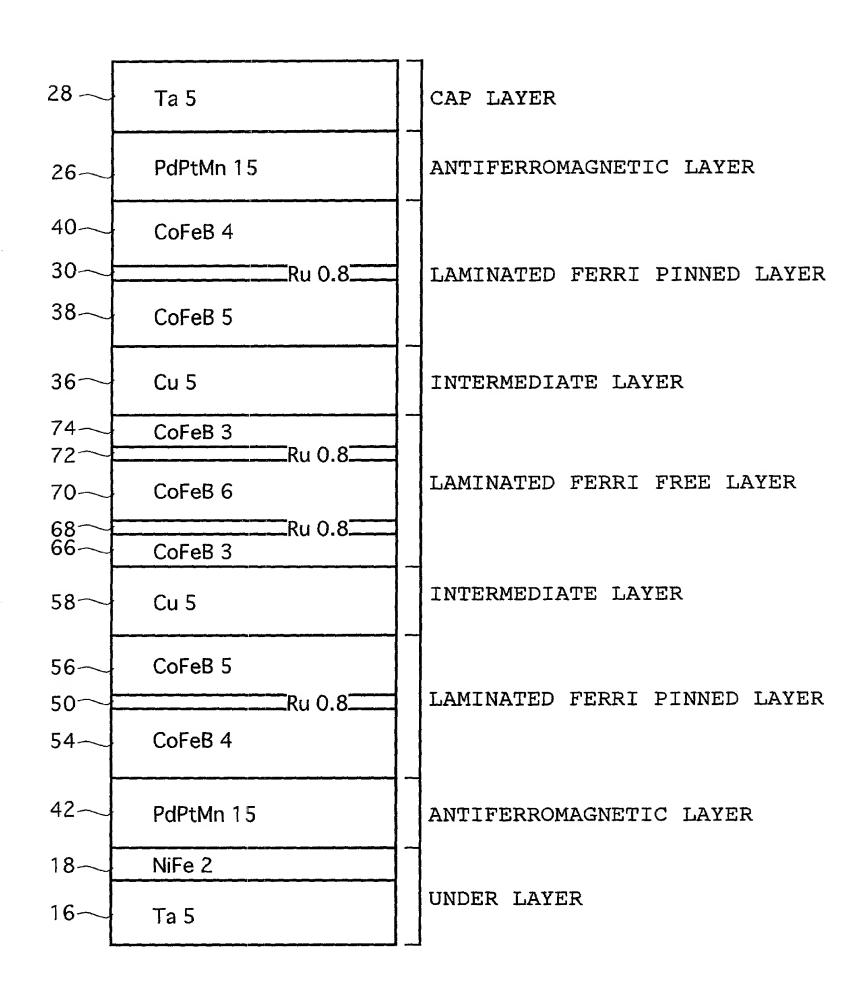


x 1 3

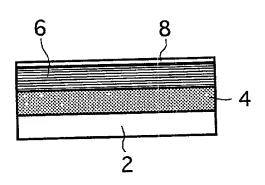


\* 3









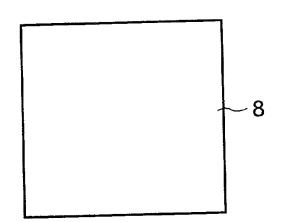
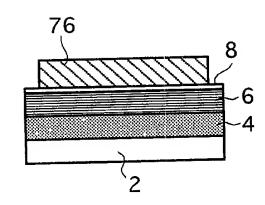


FIG. 10B FIG. 10B'



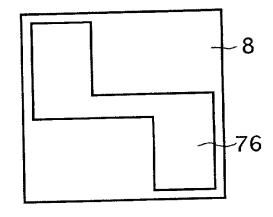
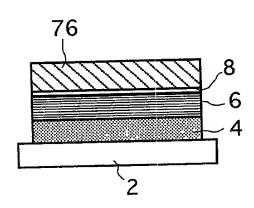
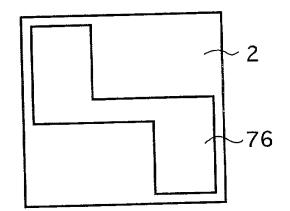


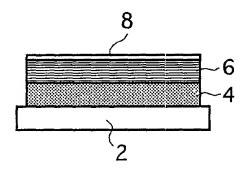
FIG. 10C FIG. 10C'





x , , , ,

FIG. 10D FIG. 10D'



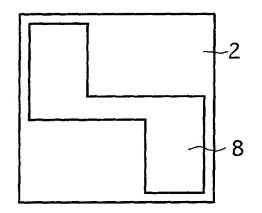
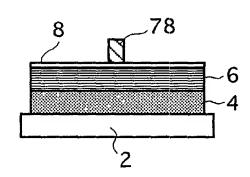


FIG. 10E FIG. 10E'



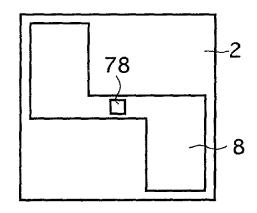
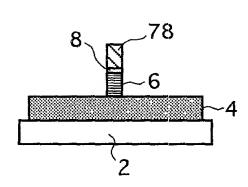


FIG. 10F FIG. 10F'



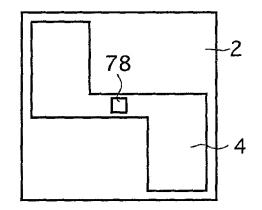
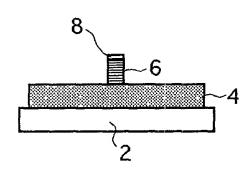


FIG. 10G FIG. 10G'



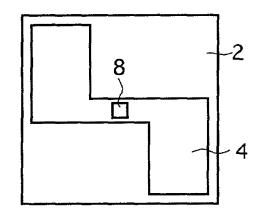
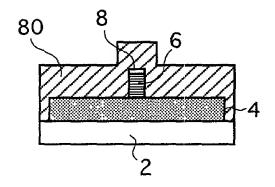


FIG. 10H FIG. 10H'



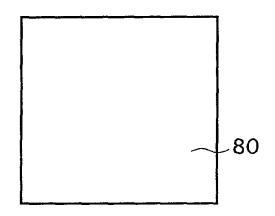
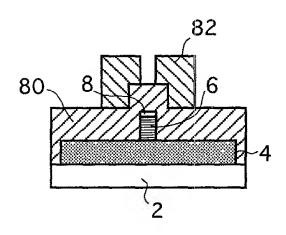
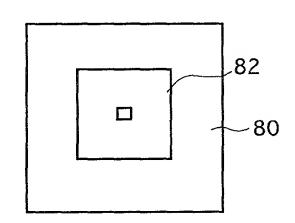


FIG. 101 FIG. 101'



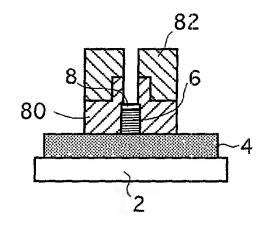


y y ...

The limit had been from the limit had the limit had been doned and the limit had been doned to be the limit had been done to be the limit had been

F I G. 10 J

FIG. 10J'



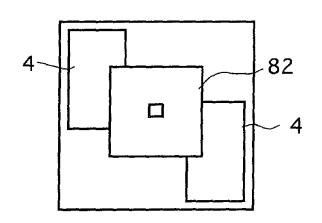
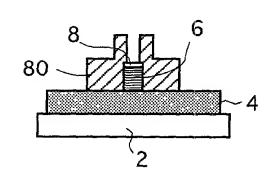


FIG. 10K FIG. 10K'



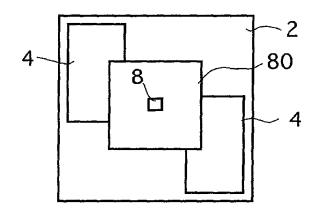
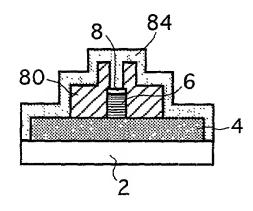


FIG. 10L FIG. 10L'



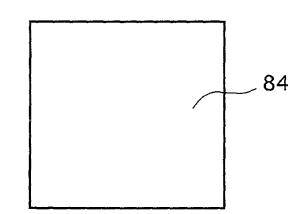
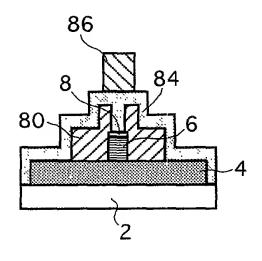


FIG. 10M FIG. 10M'



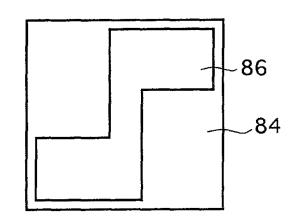
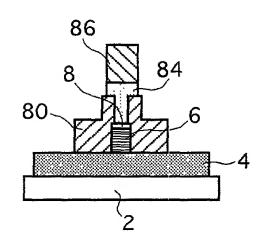


FIG. 10N FIG. 10N'



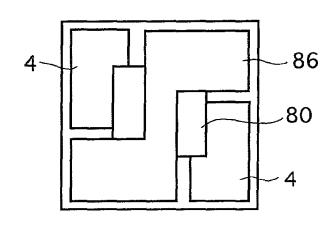
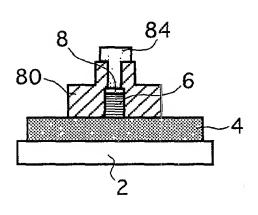
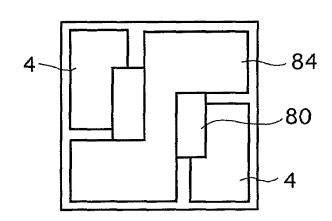


FIG. 10P FIG. 10P'



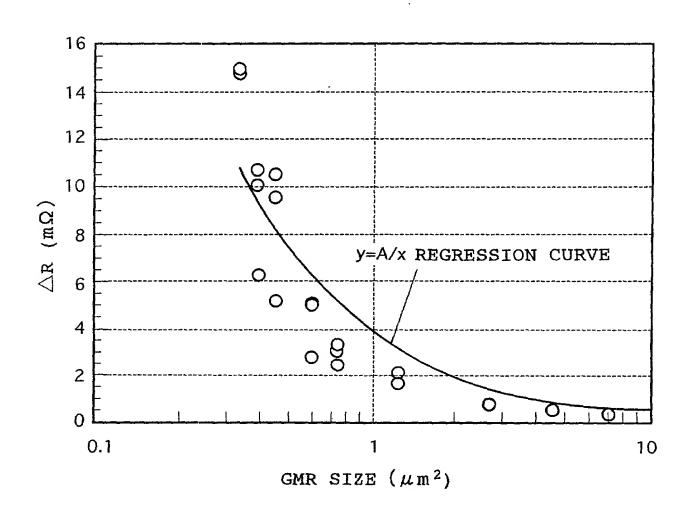


the state that the state of the

 $\mathfrak{C}_{-\mathfrak{C}_{k}} = \mathfrak{F}_{-\mathfrak{C}_{k}}$ 

Sheet 14 of 35

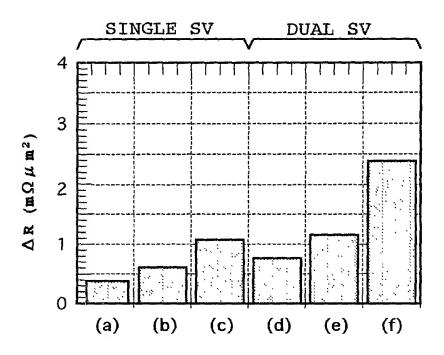
(312) 360 0080



The last state was seen as the state of the

Sheet 15 of 35

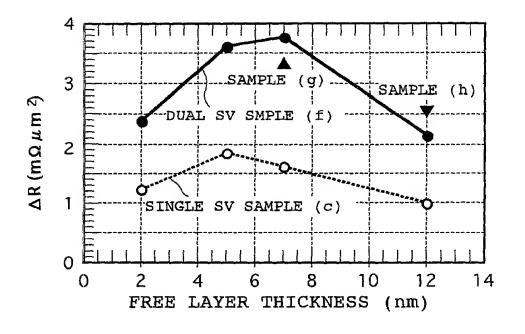
(312) 360 0080



- (a): CIP OPTIMUM LAYER THICKNESS
- (b): LAMINATED FERRI
- INCREASED THICKNESSES OF PINNED LAYER (c): AND INTERMEDIATE LAYER
- (d): CIP OPTIMUM LAYER THICKNESS
- (e): LAMINATED FERRI
- INCREASED THICKNESSES OF PINNED LAYER (f): AND INTERMEDIATE LAYER

Sheet 16 of 35

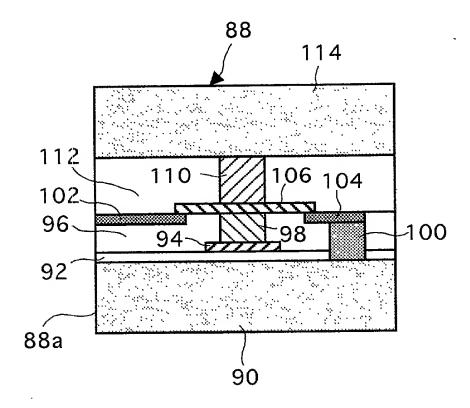
(312) 360 0080



Ref. No.3531.65364 Sheet 17 of 35

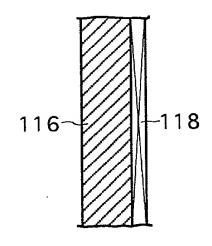
(312) 360 0080

## F I G. 14A



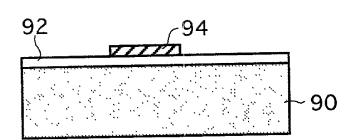
DORFILLY DARSA

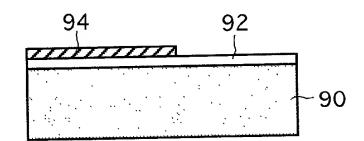
F I G. 14B



### F I G. 15A

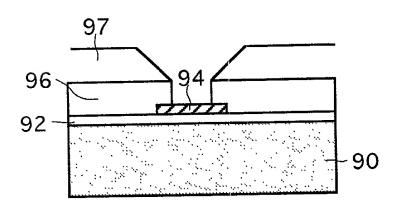
FIG. 15A'

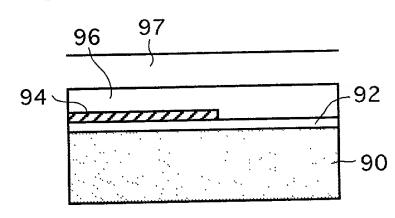




F I G. 15B

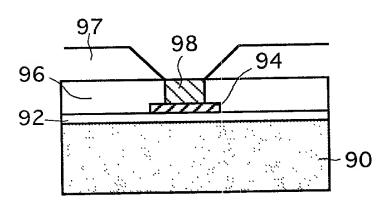
FIG. 15B'

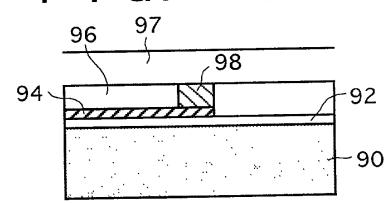




F I G. 15C

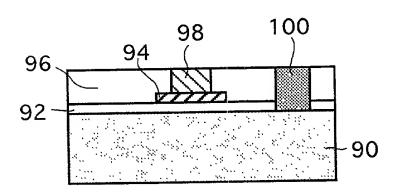
FIG. 15C'

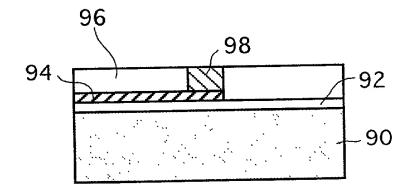




F I G. 15D

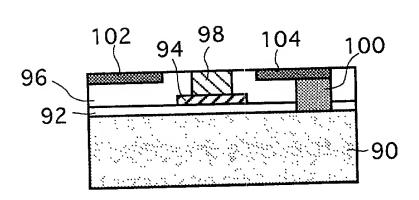
FIG. 15D'

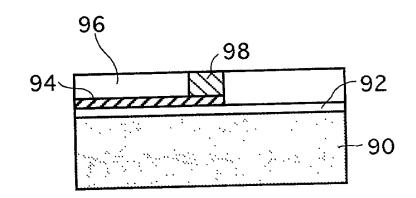




### F I G. 15E

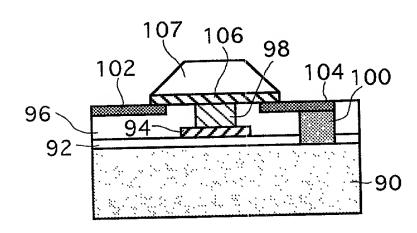
F I G. 15E'

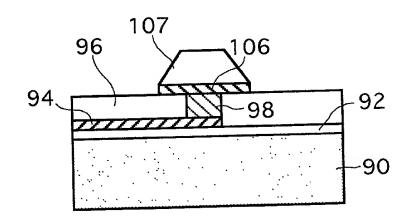




F I G. 15 F

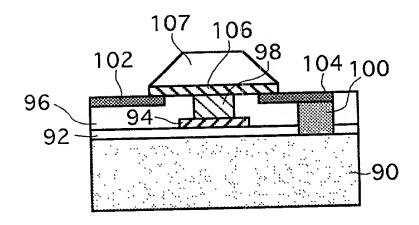
FIG. 15F'

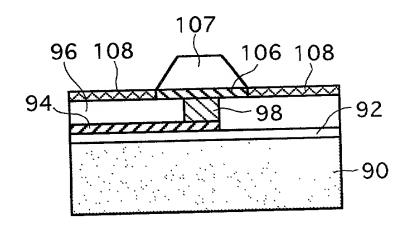




F I G. 15G

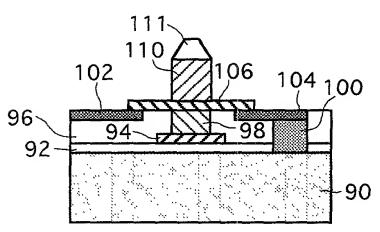
FIG. 15G'





F I G. 15H

FIG. 15H'



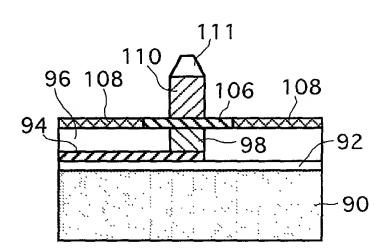
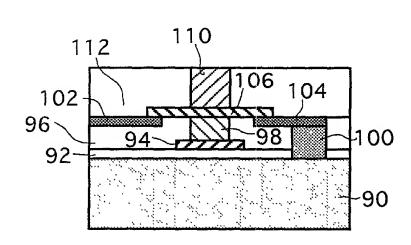


FIG. 151

FIG. 151'



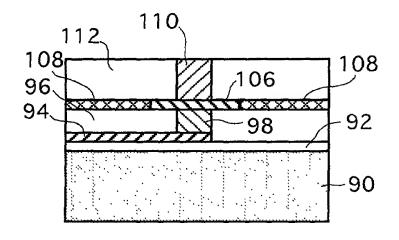
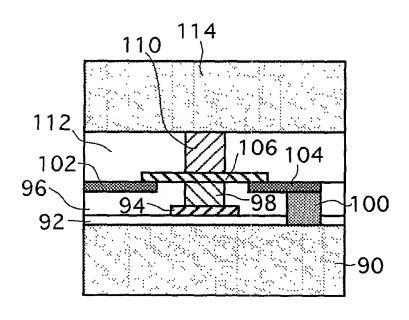
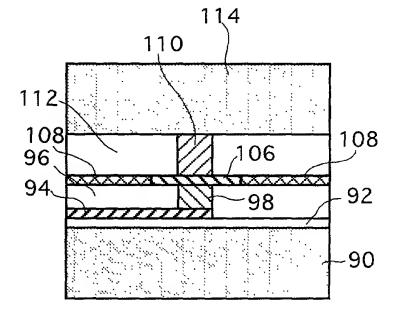


FIG. 15J

FIG. 15J'



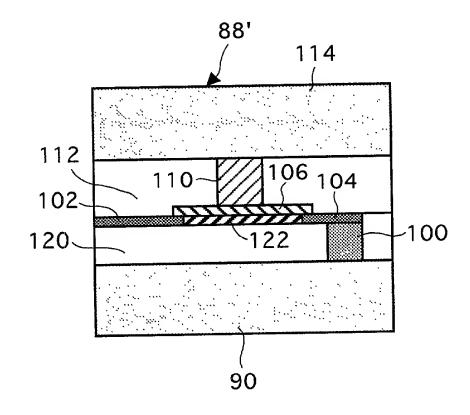


The first state and the state of the state o

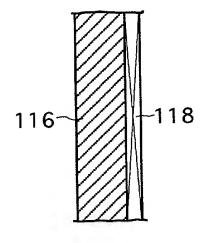
Ref. No.3531.65364

(312) 360 0080 Sheet 21 of 35

F I G. 16A

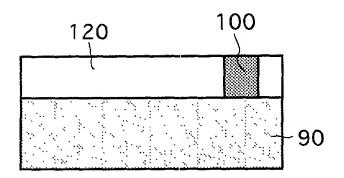


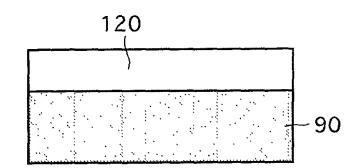
F I G. 16B



F I G. 17A

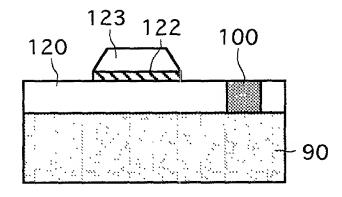
FIG. 17A'

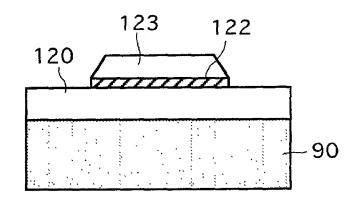




F I G. 17B

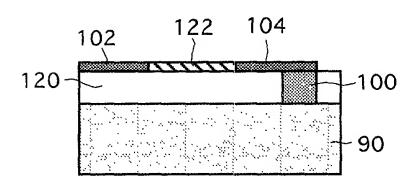
FIG. 17B'

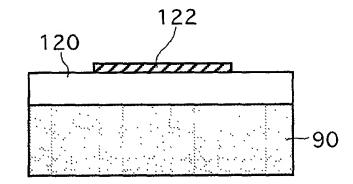




F I G. 17C

F I G. 17C'

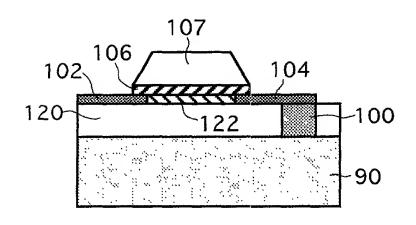


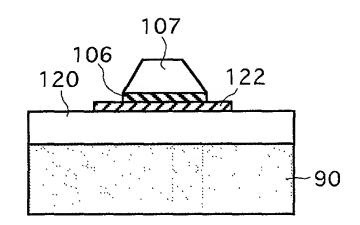


Sheet 23 of 35 (312) 360 0080

F I G. 17D

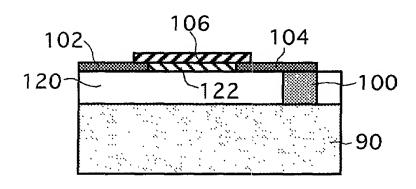
FIG. 17D'

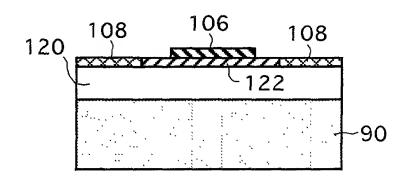




F I G. 17E

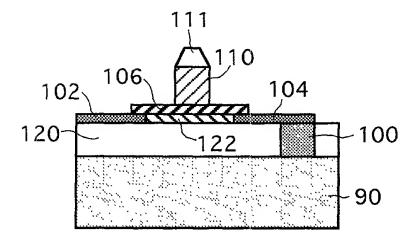
FIG. 17E'





F I G. 17 F

FIG. 17F'



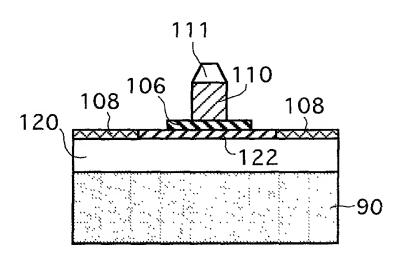
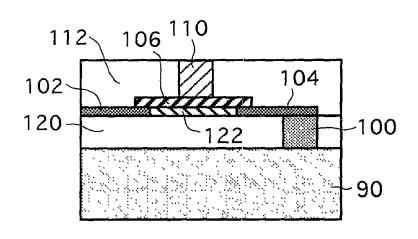


FIG. 17G FIG. 17G'



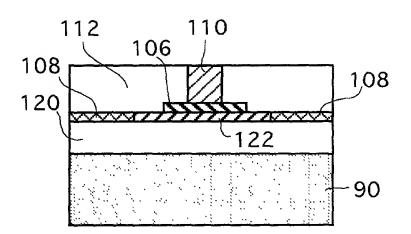
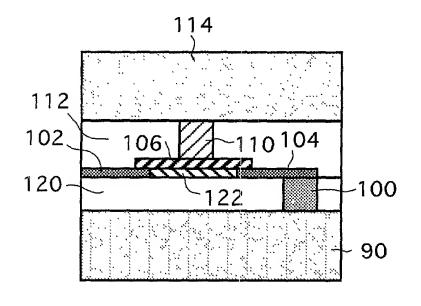
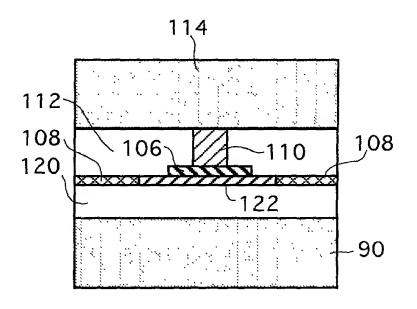
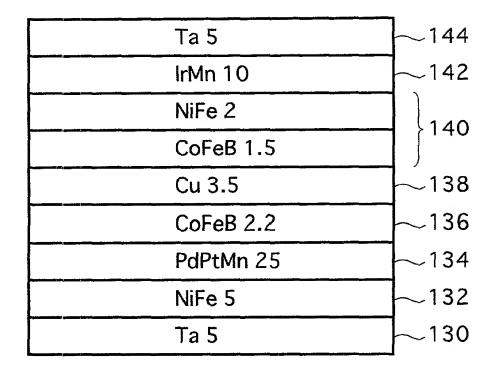


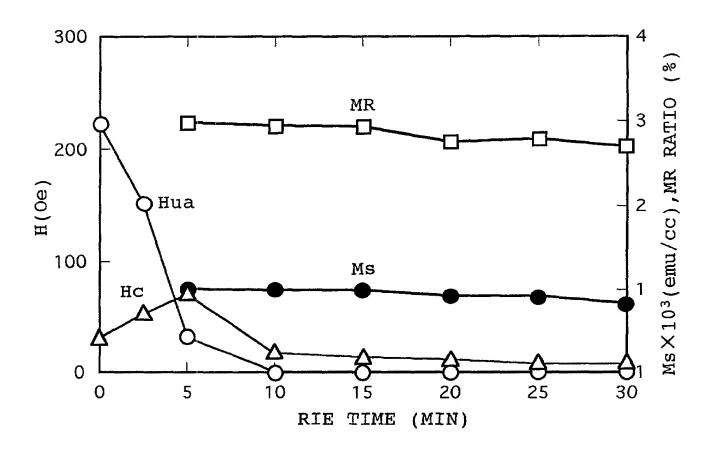
FIG. 17H FIG. 17H'





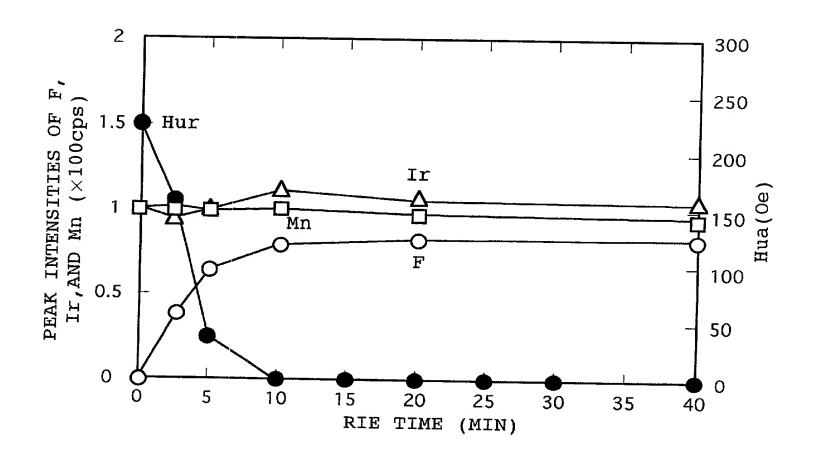


## FIG. 19



Ref. No.3531.65364 Sheet 27 of 35

(312) 360 0080



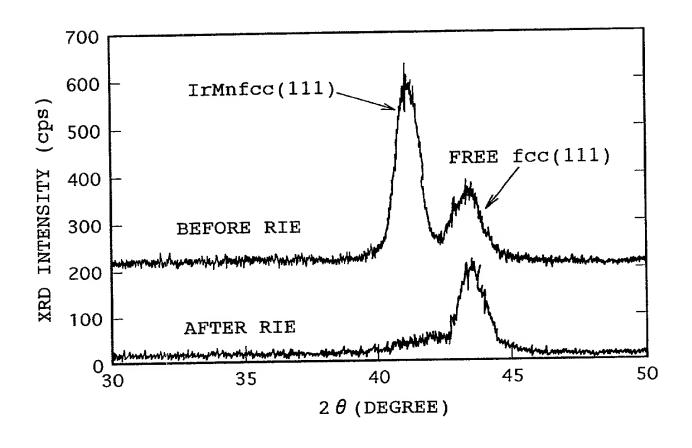
SEYAMA ET AL. Greer, Burns & Crain, Ltd.

Ref. No.3531.65364

Sheet 28 of 35

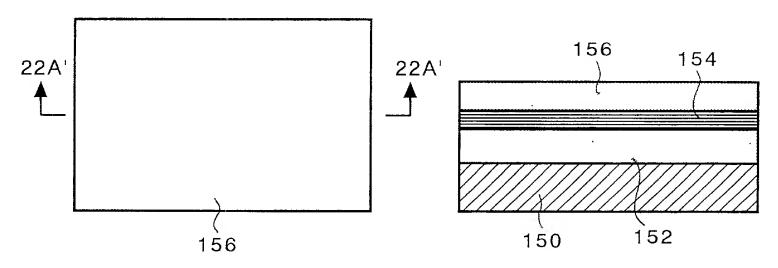
(312) 360 0080

# FIG. 21



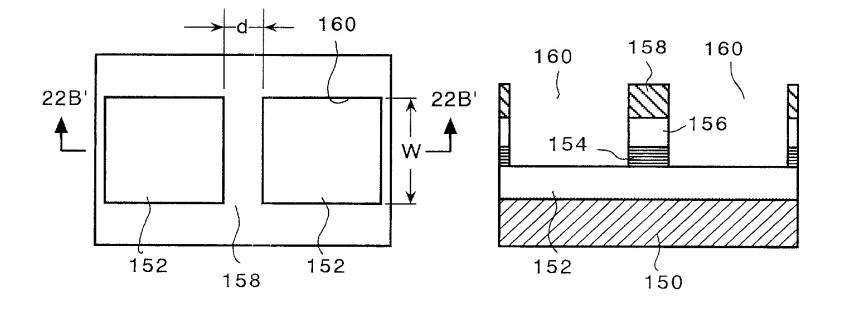
F I G. 22A

F I G. 22A'



F I G. 22B

F I G. 22B'

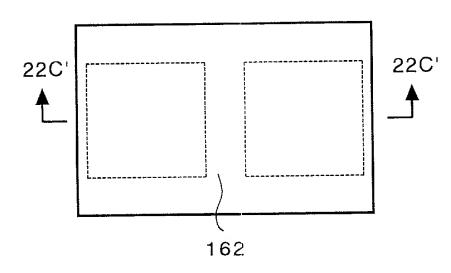


Greer, Burns & Crain, Ltd. Ref. No.3531.65364

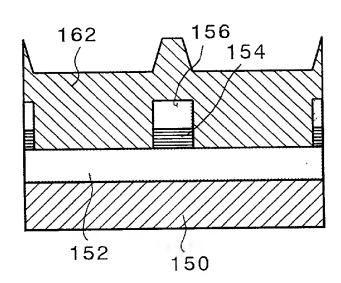
Sheet 30 of 35 (312) 360 0080

F I G. 22C

\*



F I G. 22C'



F I G. 22D

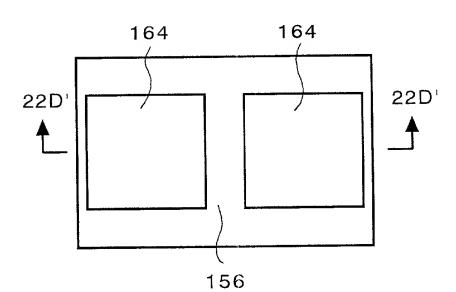
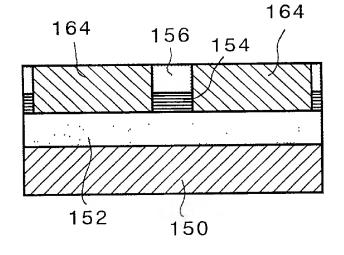
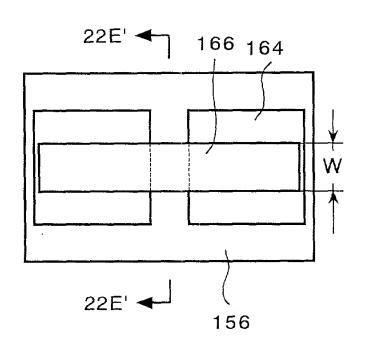


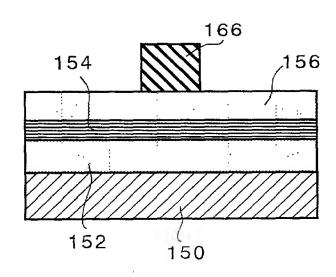
FIG. 22D'



F I G. 22E

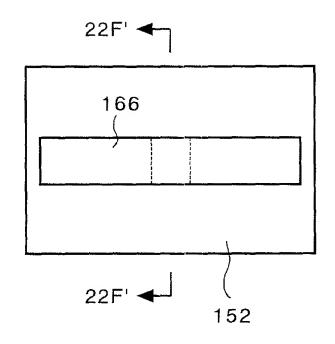


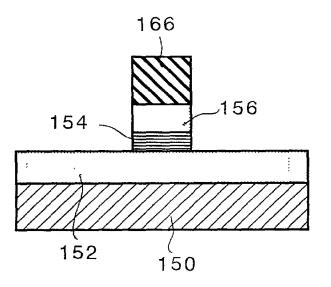
F I G. 22E'



F I G. 22F

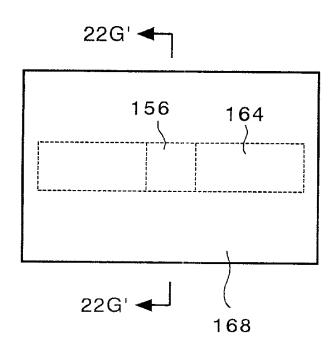
F I G. 22F'



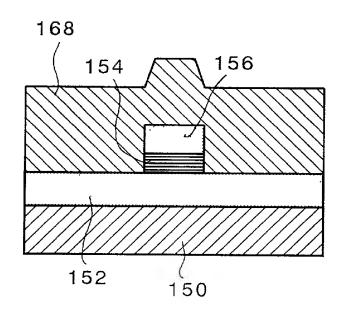


The first state and state that the state and state that the state and state that the state state and state s

F I G. 22G

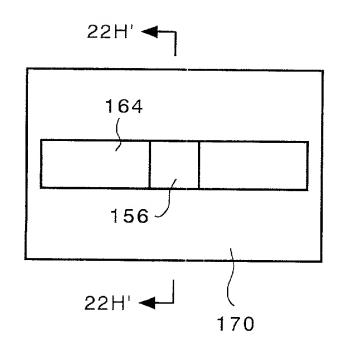


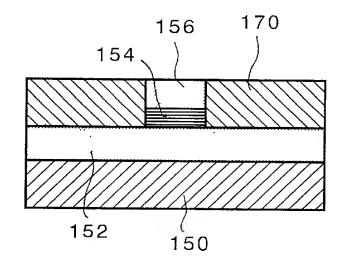
F I G. 22G'



F I G. 22H

F I G. 22H'

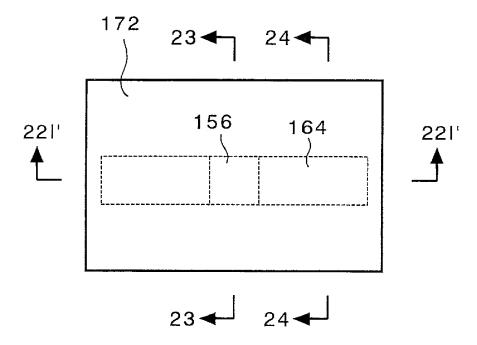




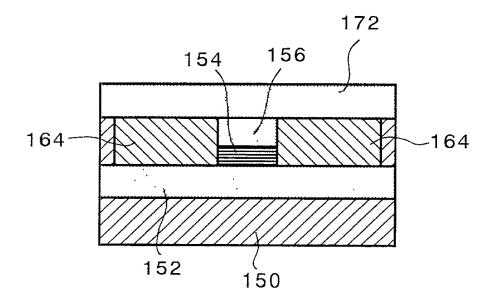
\* \* \* \* \*

\* E 7

## F I G. 221

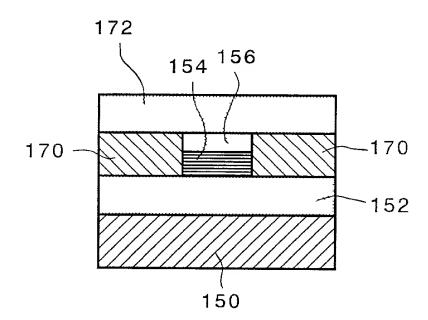


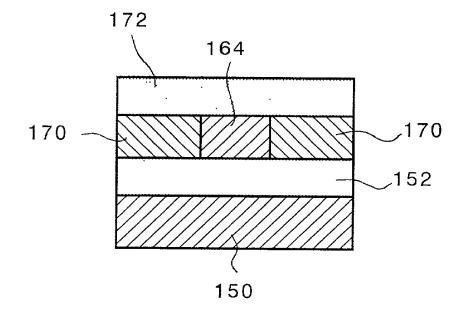
#### F I G. 221'



4 7 3

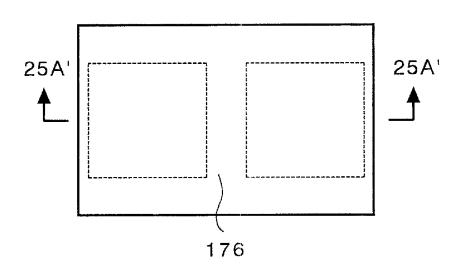
# F I G. 23

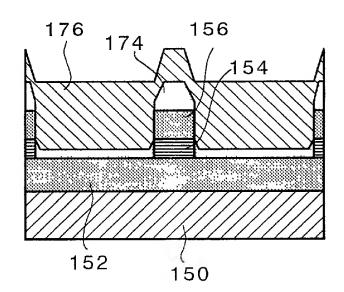




\* \* \*

F | G. 25A F | G. 25A'





F I G. 25B

F I G. 25B'

